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# PATENT ABSTRACTS OF JAPAN

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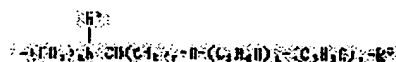
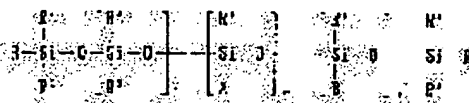
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## (54) LIQUID DETERGENT COMPOSITION

### (57) Abstract:

PROBLEM TO BE SOLVED: To obtain a liquid detergent composition, having the moderate detergency for the so-called fancy wear and capable of further imparting excellent touch feeling and dimensional stability thereto by blending a specific amino-modified silicone derivative with plural surfactants.

SOLUTION: This liquid detergent composition comprises (A) 0.05-5wt.% amino-modified silicon derivative represented by formula I [(I) is 100-600; (m) and (n) are each a number so as to provide (I):(m)=(100:1) to (10:1); (m):(n)=(1:10) to (10:1); R is a 1-4C alkyl, etc.; R1 is a 1-4C alkyl; A is represented by formula II, etc., [(a) is 2-6; R2 is H or a 1-4C alkyl; (p) is 1-6; (q) is 1-20; (r) is 0-20; R3 is a 1-18C alkyl]; B is (CH2)<sub>a</sub>-O-(C2H4O)<sub>x</sub>-(C3H6O)<sub>y</sub>-R4 [(x) is 1-20; (y) is 0-20; R4 is a 1-10C alkyl] or R1] and (B) 5-70wt.% surfactant containing (i) 95-75wt.% nonionic surfactant represented by formula III [R1 is an 8-18C alkyl, etc.; R2 is a 2-4C alkyl; R3 is H, methyl, etc.; (n) is the number of mol of an added alkylene oxide] and (ii) 5-15wt.% nonionic surfactant, represented by formula IV (R4 is R1; R5 is R3) and having 7-10 value of hydrophile-lipophile balance (HLB) and \* 4wt.% content of a compound in which (n) is 0 and the number of mol of the compound having the highest content (nmax) satisfies formula V. The weight ratio of the ingredients A:B is (1:100) to (1:5).



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